



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

649.4813

Job Sheet 212435



Part No: 649.4813

Job Qty: 10 pcs

DAS
21
9-89

Part Name: Shim



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/24/20

Job Tracking No:

Due Date: 9/14/20

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: 649.4800 REV:E IPP REV:A 12.11.01 NEW ISSUE DD VERF:JLM IPP REV:B 17.10.18 AS PER DWG REV.D
DD VERF:JFS IPP REV:C 18.03.14 PER DWG REV:E DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Waterjet - Flow - 1	8 pcs			0.17	0.24	Waterjet - Flow		on 20/08/20
120	QC 2	8 pcs			0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		on 20/08/20
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		

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130 QC 8	8 pcs	0.00 0.00	QC 2 - 65	
			QC 2 - 5	
			QC 2 - 71	
			QC 2 - 73	
			QC 2 - 69	
			QC 2 - 76	
			QC 2 - 86	
			QC 2 - 83	
			QC 8 - 12	
			QC 8 - 14	
			QC 8 - 17	
			QC 8 - 20	
			QC 8 - 25	
			QC 8 - 3	
			QC 8 - 32	
			QC 8 - 33	
			QC 8 - 35	
			QC 8 - 39	
			QC 8 - 4	
			QC 8 - 44	
			QC 8 - 45	
			QC 8 - 49	
			QC 8 - 58	
			QC 8 - 8	
			QC 8 - 9	
			QC 8 - 68	
			QC 8 - 67	
			QC 8 - 1 (A)	
			QC 8 - 47	
			QC 8 - 40	
			QC 8 - 52	
			QC 8 - 23	
			QC 8 - 57	
			QC 8 - 76	
			QC 8 - 61	
			QC 8 - 66	
			QC 8 - 73	
			QC 8 - 82	
140 Small Fab - 2 - B4B	8 pcs	0.00 0.50	Small Fab - 1 - B4B	
			Small Fab - 2 - B4B	
			Small Fab - 3 - B4B	
			Small Fab - 4 - B4B	
			Small Fab - 5 - B4B	
			Small Fab - 6 - B4B	
			Small Fab - 7 - B4B	
			Small Fab - 8 - B4B	
			Small Fab - 9 - B4B	
			Small Fab - Various 1 - B4B	
150 QC 5	8 pcs	0.00 0.00	QC 5 - 10	
			QC 5 - 12	
			QC 5 - 17	
			QC 5 - 18	
			QC 5 - 19	
			QC 5 - 22	
			QC 5 - 24	
			QC 5 - 3	
			QC 5 - 43	
			QC 5 - 49	

DAS
AUG 26 2020 40
4-99

SEP 02 2020

			QC 5 - 51	
			QC 5 - 58	
			QC 5 - 68	
			QC 5 - 9	
			QC 5 - 50	
			QC 5 - 30	
			QC 5 - 40	DAS SEP 02 2020 40 9-89
			QC 5 - 61	
			QC 5 - 81	
			QC 5 - 82	
160 Outsource - 4 - Anodize	8 pcs		ATG001-VC	8 2020-09-03
170 Packaging 2-1 - Receive - B4B	8 pcs	0.00 0.00	Packaging 2 - 1 - B4B	
			Packaging 2 - 2 - B4B	
			Packaging 2 - 3 - B4B	
			Packaging 2 - 5 - B4B	SEP 17 2020
			Packaging 2 - 4 - B4B	
			Packaging 2 - 6 - B4B	
			Packaging 2 - 7 - B4B	
			Packaging 2 - 8 - B4B	
			Packaging 2 - 9 - B4B	
			Packaging 2 - 10 - B4B	
			Packaging 2 - 11 - B4B	
			Packaging 2 - 12 - B4B	
			Packaging 2 - 13 - B4B	
			Packaging 2 - 14 - B4B	
			Packaging 2 - 15 - B4B	
			Packaging 2 - 16 - B4B	
			Packaging 2 - 17 - B4B	
			Packaging 2 - 18 - B4B	
			Packaging 2 - 19 - B4B	
			Packaging 2 - 20 - B4B	
			Packaging 2 - 21 - B4B	
			Packaging 2 - 22 - B4B	
			Packaging 2 - 23 - B4B	
			Packaging 2 - 24 - B4B	
			Packaging 2 - 25 - B4B	
			Packaging 2 - 26 - B4B	
			Packaging 2 - 27 - B4B	
			Packaging 2 - 28 - B4B	
			Packaging 2 - 29 - B4B	
			Packaging 2 - 30 - B4B	
			Packaging 2 - 31 - B4B	
			Packaging 2 - 32 - B4B	
			Packaging 2 - 33 - B4B	
			Packaging 2 - 34 - B4B	
			Packaging 2 - 35 - B4B	
			Packaging 2 - 36 - B4B	
			Packaging 2 - 37 - B4B	
180 QC 5	8 pcs	0.00 0.00	QC 5 - 10	
			QC 5 - 12	
			QC 5 - 17	
			QC 5 - 18	
			QC 5 - 19	
			QC 5 - 22	
			QC 5 - 24	
			QC 5 - 3	
			QC 5 - 43	
			QC 5 - 49	

			QC 5 - 51	
			QC 5 - 58	
			QC 5 - 68	
			QC 5 - 9	
			QC 5 - 50	
			QC 5 - 30	
			QC 5 - 40	
			QC 5 - 61	
			QC 5 - 81	
			QC 5 - 82	
210 Packaging 3-1 - Stock - B4B	8 pcs	0.00 0.00	Packaging 3 - 1 - B4B	
			Packaging 3 - 2 - B4B	
			Packaging 3 - 3 - B4B	
			Packaging 3 - 4 - B4B	
			Packaging 3 - 5 - B4B	
			Packaging 3 - 6 - B4B	
			Packaging 3 - 7 - B4B	
			Packaging 3 - 8 - B4B	
			Packaging 3 - 9 - B4B	
			Packaging 3 - 10 - B4B	
			Packaging 3 - 11 - B4B	
			Packaging 3 - 12 - B4B	
			Packaging 3 - 13 - B4B	
			Packaging 3 - 14 - B4B	
			Packaging 3 - 15 - B4B	
			Packaging 3 - 16 - B4B	
			Packaging 3 - 17 - B4B	
			Packaging 3 - 18 - B4B	
			Packaging 3 - 19 - B4B	
			Packaging 3 - 20 - B4B	
			Packaging 3 - 21 - B4B	
			Packaging 3 - 22 - B4B	
			Packaging 3 - 23 - B4B	
			Packaging 3 - 24 - B4B	
			Packaging 3 - 25 - B4B	
			Packaging 3 - 26 - B4B	
			Packaging 3 - 27 - B4B	
			Packaging 3 - 28 - B4B	
			Packaging 3 - 29 - B4B	
			Packaging 3 - 30 - B4B	
			Packaging 3 - 31 - B4B	
			Packaging 3 - 32 - B4B	
			Packaging 3 - 33 - B4B	
			Packaging 3 - 34 - B4B	
			Packaging 3 - 35 - B4B	
			Packaging 3 - 36 - B4B	
			Packaging 3 - 37 - B4B	
220 QC 21 - SA	8 pcs	0.00 0.00	QC 21 - SA - 21	
			QC 21 - SA - 70	
			QC 21 - SA - 9	
			QC 21 - SA - 77	

Part Op 110 - 1-Cut as per Dwg Dwg Rev: E Prog Rev: E 2-Deburr if necessary

Descriptions: 120 - (QC2- Inspect parts off machine FAI/FAIB)

130 - (QC8- Inspect parts - second check)

140 - (Small Fab) FORM AS PER DWG USE DT9855

150 - (QC5- Inspect part completeness to step on W/O)

160 - Outsource4 (Outsource process-Anodize per QSI017 4.1.10.1)ISSUE P/O: 47021 As Per MPP-172 Section 2.1, Hard Anodize IAW MIL-A-8625, Type III, Class 2, Color Black As Per MPP-172 Section 4.2 Prime IAW MIL-P-23377J Type1 Class N

170 - (Receive & Inspect for Damage & Mat'l Certs)

180 - (QC5- Inspect part completeness to step on W/O)

210 - (Identify as per dwg & Stock Location: _____) ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M2024T3S.125	2024-T3 .125 Sheet	.2280 sf (.0285 ea)	110-Waterjet - Flow - 1	SO18262 S265835

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Waterjet - Flow - 1	M2024T3S.125	0	50	0

Part Specifications

Specifications could not be found.

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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Container No: S296213



Part: 649.4813

Job No: 212435

Serial No/Batch: S296213

Revision: Rev E

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 08/26/20



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB047021



Supplier: ATG001-VC
A.T.G. Industries Inc
760 INDUSTRIELLE STREET
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB047021

PO Date: 9/3/20

Due Date: 9/18/20

**Purchase Order
Revision:**

Revision Date:

Issued By: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	211270	D1038-58B	D1038 Rev B	Avionics Fastener Rail : Various STC's Issue P/O: Black Anodize as per Dwg D1038 and QSI 017 4.1.10 Anodize per MIL-A-8625F Type I or IB or IC or II or IIB Class 2, Type III Class 2	Firmed X40	-	9/18/20	40 pcs	0 pcs	40 pcs	\$4.89/pcs	\$195.60
2	212428	649.5011	649.5000 Rev D	Deflector : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG: AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed	-	9/10/20	8 pcs	0 pcs	8 pcs	\$12.14/pcs	\$97.12



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PURCHASE ORDER

POHB047021



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	212429	649.5214	649.5200 Rev C	Bracket Issue P/O to ATG: AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N	Firmed X10	-	9/10/20	10 pcs	0 pcs	10 pcs	\$10.64/pcs	\$106.40
									SEP 17 2020			ME
4	212435	649.4813	649.4800 Rev E	Shim : Various STC's Outsource4 (Outsource process-Anodize per QSI017 4.1.10.1) ISSUE P/O: As Per MPP-172 Section 2.1, Hard Anodize IAW MIL-A- 8625, Type III, Class 2, Color Black As Per MPP-172 Section 4.2 Prime IAW MIL-P- 23377J Type1 Class N	Firmed X10	-	9/10/20	10 pcs	0 pcs	10 pcs	\$7.89/pcs	\$78.90
									SEP 17 2020			DAS 40 9-89
5	212182	647.1512	647.1500 Rev E	Breakaway Tip : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : 1- Black Anodize as per Dwg 647.1500 2- PRIME AS PER DWG, SEE NOTE #2 Certification of Conformity is required	Firmed	-	9/10/20	4 pcs	0 pcs	4 pcs	\$12.34/pcs	\$49.36



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Canada

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PURCHASE ORDER

POHB047021



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	212475	649.4811	649.4800 Rev E	Clip : Various STC's Issue P/O: AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed X4	-	9/10/20	4 pcs	0 pcs	4 pcs	\$11.24/pcs	\$44.96
Grand Total:												\$572.34

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Please ensure to send the related invoice to hby_ap@dartaero.com.

Plex 9/9/20 4:41 PM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Pack List

Number: 920829

Date: 16-Sep-20

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 ea	Part: 649.5214 Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: 5286641 Job: 28085 PO: POHB047021	Rev: C Expiry Date: 5/16/22 Line: 3	SEP 17 2020
10 ea	Part: 649.4813 Shim Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: 5286641 Job: 28086 PO: POHB047021	Rev: E Expiry Date: 5/16/22 Line: 4	DAS 40 9-89 SEP 17 2020
4 ea	Part: 649.4811 Clip Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: 5286641 Job: 28088 PO: POHB047021	Rev: E Expiry Date: 5/16/22 Line: 6	RECEIVED SEP 16 2020 DART AEROSPACE LTD. SEP 17 2020

Made in Canada.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 920829

Date: 16-Sep-20

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms	Ship Via
	ATG Delivery
Quantity	Description
	CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>SEP 16 2020</u> Certified Signature: _____ Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. Made in Canada.